

*JGN*

**Notice of Allowability**

Application No.	Applicant(s)	
10/790,660	GOVORKOV ET AL.	
Examiner	Art Unit	
Loha Ben	2873	

-- *The MAILING DATE of this communication appears on the cover sheet with the correspondence address--*

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTO-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1.  This communication is responsive to Applicants' papers dated 10/20/2005 and 10/27/2005.
2.  The allowed claim(s) is/are 1-42.
3.  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a)  All b)  Some\* c)  None of the:
    1.  Certified copies of the priority documents have been received.
    2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3.  Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4.  A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5.  CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a)  including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached  
1)  hereto or 2)  to Paper No./Mail Date \_\_\_\_\_.
  - (b)  including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6.  DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1.  Notice of References Cited (PTO-892)
2.  Notice of Draftsperson's Patent Drawing Review (PTO-948)
3.  Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date 1005
4.  Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5.  Notice of Informal Patent Application (PTO-152)
6.  Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_.
7.  Examiner's Amendment/Comment
8.  Examiner's Statement of Reasons for Allowance
9.  Other \_\_\_\_\_.

*Loha Ben*

**Loha Ben**  
**Primary Examiner**

### **EXAMINER'S AMENDMENT**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

#### **In the Specification**

Page 9: line 19, "68" has been changed to – 60 --; and line 20, "possible" has been replaced with – possibly --, since these were clearly intended.

### **R E A S O N S   F O R   A L L O W A N C E**

The following is an examiner's statement of reasons for allowance: Best references noted are Horton, art cited by Applicants on September 14, 2005, and Teruichiro ( 11277278 ), art cited by Applicants on October 20 and 27, 2005.

For Horton, Despite similarity of its invention's device with that of the present invention, the latter ( specifically claims 1-37, 41 and 42 ) still distinguishes over the former in that the position of the beam splitter 21 of the patent **is not in the arrangement to define the delay loop of the device**, and in that this beam splitter is not divided into a plurality of zones of differing reflectivity ( this beam splitter 21 has a 50% transmission and a 50% reflection on either of its surfaces ). As is further noted, the present invention utilizes only one surface of the beam splitter, whereas that of the patent makes use of the two surfaces of the beam splitter. Regarding method claims 38-40 ( see Figs. 8 and 9 ), specifically, vis-à-vis Horton ( Fig. 4 ), a difference is noted in

the division step ( which occurs on the beam splitter ) in which the divided energy as recited in claims 38-40 is the same, whereas in Horton, the energy that is divided along either surface of the beam splitter 21 varies from one delay path to another.

For Teruichiro, vis-à-vis claim 42 ( the broadest independent apparatus claim among other independent apparatus claims ) of the present invention, the beam splitter 10 has only two areas with a spatially different reflectance ( not at least three as now claimed in claim 42 ), and its device cannot convert a single input laser pulse into a temporal sequence of replica pulses with each having a predetermined energy.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Loha Ben whose telephone number is (571) 272-2323. The examiner can normally be reached on Monday to Saturday, generally between 12:00 noon to 8:00 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ricky Mack, can be reached on Monday to Friday, at (571) 272-2333. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2873

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

November 9, 2005



Loha Ben  
Primary Examiner